

BiOLUX

COMPACT OZONE SPRAY

Model EOS7221



OWNER'S MANUAL

BIOTEK ENVIRONMENTAL SCIENCE LTD.
www.besgroups.com

TABLE OF CONTENTS

1. PRODUCT INFORMATION	
1.1 Features	2
1.2 Specifications	3
2. PRODUCT DESCRIPTION	
2.1 Accessories	4
2.2 Key Components	4
3. IMPORTANT SAFETY INFORMATION	6
4. OPERATION	
4.1 Charge	8
4.2 Fill	10
4.3 Production and Use of the Ozonated Water	12
4.4 Optimal Operation Period of Each Use	14
4.5 Pause / Stop Generating	15
5. CARE	
5.1 Clean	16
5.2 Maintenance	16
5.3 Storage	16
6. TROUBLESHOOTING	17
7. LIMITED WARRANTY	18

1.PRODUCT INFORMATION

1-1 FEATURES

The Biolux Compact Ozone Spray (COS) applies revolutionary electrolysis technology that can convert regular tap water into anti-bacterial sanitizing water. This revolutionary technology can help replace conventional chemical surface sanitizers. Simply fill the bottle with clean tap water, press the button, and the device will instantly convert ordinary water into ozonated water.

After sanitizing, it reverts to oxygen and water immediately without chemical residue. Compared with traditional chemical sanitizers, such as ordinary Chlorine-based sanitizers or 75% Alcohol, ozonated water is a more effective and safer option. The Biolux ozonated water has been approved by the SGS cytotoxicity test, it's not harmful to contact with skin. Ozonated water is well-known for its fast and powerful sanitation performance, it kills bacteria and viruses in seconds. According to test reports from Nara Medical University in Japan has confirmed that Biolux ozonated water can rapidly inactive the novel coronavirus (SARS-CoV-2) by 99.9%.

The Compact Ozone Spray offers effective, safe, and environmentally friendly solution for surface sanitation, and user's requirements hygiene and cleaning anytime, anywhere.

- Inspired by Nature
- Safe
- Convenient

1.PRODUCT INFORMATION

1-2 SPECIFICATIONS

OZONE TECHNOLOGY

- Ozone generator: Built-in parallel plate electrodes electrolytic ozone generator
- Ozonated water concentrations: up to 2 ppm*(TDS 60)

* Actual performance may vary due to operating conditions.

WATER

- Water quality requirements: Clean or filtered water
Total Dissolved Solids (TDS) 40 - 250 ppm
Hardness < 180 ppm as CaCO_3
- Water temperature: 5 - 35°C (41 - 95°F)
- Max. fill capacity: 20ml

BATTERY

- Battery spec: Lithium polymer 3.7 V / 520 mAh
- Charging power: DC 5V/1A (USB power supply)
- Charging time: 50 minutes approx.

GENERAL

- Operation Environment: 5 - 40°C (41 - 104°F) / 90% RH Max.
- Dimensions: 38mm dia. x 160mm [H]
- Weight: approx. 110g (including battery, empty bottle)

Design and specifications are subject to change without notice.

2.PRODUCT DESCRIPTION

- ACCESSORIES

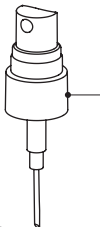


USB-C

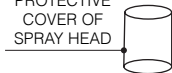


Owner's Manual

- KEY COMPONENTS

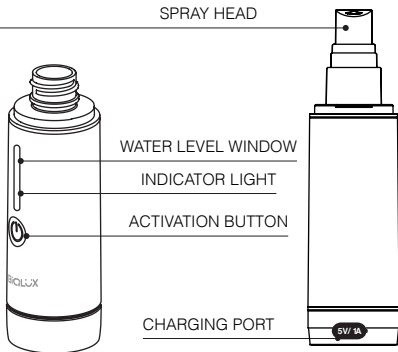


PROTECTIVE
COVER OF
SPRAY HEAD



CAP

2.PRODUCT DESCRIPTION



3.IMPORTANT SAFETY INFORMATION

WARNING

- To reduce the risk of fire, do not expose the appliance to naked flame sources (for example, lighted candles).
- Do not expose the product (batteries installed) to excessive heat such as sunshine, fire or the like for a long time.
- Batteries need to be charged before use. Always refer to the manufacturer's instructions.
- Do NOT plug or unplug the Power Cord if your hands are wet.
- Biolux compact ozone spray is not a toy. Supervision is required when children present.
- Do NOT spray directly into the eyes.

CAUTION

- Important information such as the model name and product serial number are located on the bottom exterior.
- Do not set the unit in an inclined position.
- If the previously produced high-concentration ozonated water has not been used up completely, please press the "nozzle" couples of times to spray out part of the water before next generating of ozonated water, so as to prevent the newly generated ozone from increasing the pressure in the bottle and causing the leakage possibility of ozone water.

3.IMPORTANT SAFETY INFORMATION

- Even if you do not intend to use the unit for a long time, charge the battery to its full capacity once every 6 months to maintain its performance.
- Do not use detergent nor solvents such as alcohol, benzine, gasoline, to clean the bottle exterior surface.
- Do not use or leave the unit in an extremely cold or hot environment (temperature outside the range of 5 - 40°C).
- Do not clean the unit in a dishwasher or dry it in a dish dryer.
- Dispose of properly.

CAUTION ON CHARGING

- Never insert USB plug when the main unit or charging cable is in wet condition.
- Using a USB power supply capable of feeding in DC 5V 1A.

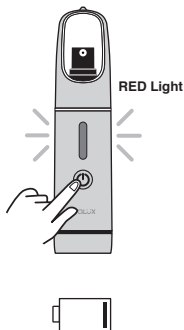
This device is designed to generate ozone electrochemically in clean water, with the amount of ozone well below typical safety limits and regulations when used correctly. Ozone can be sensed by smell at a level as low as 0.02ppm. It is normal and expected to be able to detect a mild ozone smell from the open bottle mouth. However, ozone can be irritable if inhaled in instant large quantities. For safety, do NOT inhale the ozone gas produced by this device directly.

4. OPERATION

4-1 CHARGE

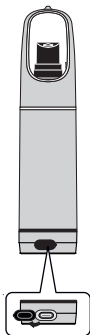
The bottle needs to be recharged when: For first time use. In the event pressing the activation button the ozone spray does not operate, or a red light turns ON for 5 seconds.

1



When using for the first time or when the battery is low.

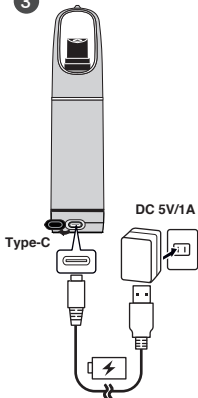
2



Find the charging port on the back and open the protective cover.

4. OPERATION

3



Connect the power adapter and start to charge.

4

50 min.



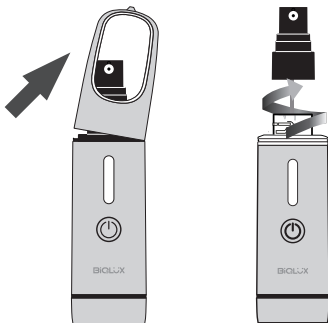
- **Charging**
-Breathing RED light
- **Charging completed**
-Steady GREEN light

It takes about 50 minutes to complete the charging. It is NOT recommended to charge and operate the unit at the same time.

4. OPERATION

4-2 FILL

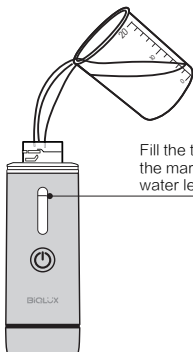
1



Push to open the cap of the spray, remove the protective cover, and turn spray head counterclockwise to remove it.

4. OPERATION

2

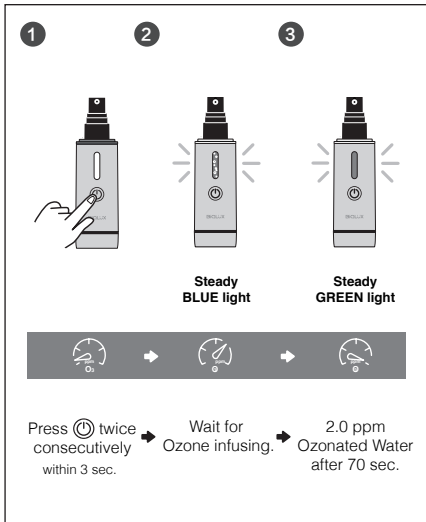


Fill the tap water to the
the mark of the highest
water level to 20ml.

※Recommended water quality:
Clean or filtered water, TDS 40-250 ppm,
Hardness < 180 ppm as CaCO_3

4. OPERATION

4-3 PRODUCTION AND USE OF THE OZONATED WATER



4. OPERATION

4



The ozone concentration reaches the highest (2.0ppm) when the green light is on.

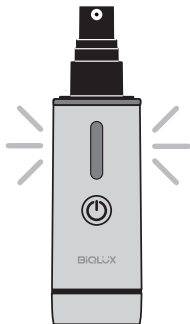
- Press the nozzle to atomize the ozonated water. Spray directly on the surface of the object to be sanitized to have the effect of sanitation and deodorization.
- Wipe surface dry with clean cloth after 30 seconds.

! NOTICE

If the previously produced high-concentration ozonated water has not been used up completely, please press the "nozzle" couples of times to spray out part of the water before next generating of ozonated water, so as to prevent the newly generated ozone from increasing the pressure in the bottle and causing the leakage possibility of ozone water.

4.OPERATION

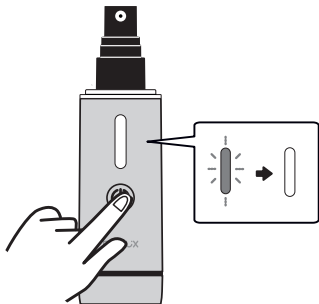
4-4 OPTIMAL OPERATION PERIOD OF EACH USE



For best results, please use the ozonated water when green light is on (within 3 minutes after production)

4. OPERATION

4-5 PAUSE / STOP GENERATING



You can stop the production of ozonated water by simply pressing the activation button once during generating.

* To resume the production of ozonated water, press the activation button again within 3 seconds.

5.CARE

5.1 CLEAN

- Rinse the inside of the bottle with clean water ONLY.
(※ NO dishwasher.)
- Wipe the bottle surface with a soft cotton, microfiber, or paper textile.
- If the tap water quality in your region is hard, it can cause scaling. If there is scaling, fill the bottle with warm citric acid solution or white distilled vinegar and then wait for 30 minutes. After descaling, pour out the solution and wash the bottle with clean water.

5.2 MAINTENANCE

To maintain consistent performance, follow these care instructions.

- Clean and empty the spray at the end of each day.
- Use only attachments and replacement parts sold or recommended by manufacturer.
- Use citric acid or distilled vinegar for every 6 months (depending on usage and water quality)

5.3 STORAGE

- Empty water from the spray.
- Spray out the remaining water in the sprayer tube.
- Remove the spray head.
- Wait for the bottle dry, and then fasten the head.
- Store the spray at room temperature, avoid dust.

6.TROUBLESHOOTING

Problem	Possible Cause	Solution
5 sec RED LED ON after operation	Battery low	Recharge
No response after pressing the activation button	Battery empty	Recharge
	Bad battery	Contact service agent
RED LED not ON during recharging	Bad adaptor or loosen connection	Replace adaptor or reconnect the charger
	Bad battery	Contact service agent
Breathing BLUE/RED LED during standby	Ozone Generator life finished	Contact service agent
Shorter operating time	Battery near end of life	Contact service agent
	Water TDS low	Use water with higher TDS levels(> 40 ppm)
	Generator scaled	Clean bottle with citric acid solution
Less ozone performance	Water TDS low	Use water with higher TDS levels(> 40 ppm)
	Generator scaled	Clean bottle with citric acid solution
Blinking RED/GREEN Light 10 times after activation *Function suspended	Water TDS high	Use water with lower TDS levels(< 250 ppm)
	A short circuit occurs in the EOG.	Contact service agent
Blinking RED/BLUE Light 10 times after activation *Function suspended	Water TDS low	Use water with higher TDS levels(> 40 ppm)
	Generator is heavily scaled	Clean bottle with citric acid solution
	Lack of water	Fill water

7.LIMITED WARRANTY

Biolux is a division of Biotek Environmental Science Ltd. ("BES"). BES warrants this new equipment manufactured in BES's designated facilities to be free from defects caused by faulty workmanship and defective materials for one (1) year after the date of original purchase.

- 1 Year Parts Only Replacement

Exclusions: Certain BES parts that are expendable by nature and that need to be replaced frequently may not be covered. BES is not liable under these warranties for repairs or damages due to improper operation, attempted repairs or installation by unauthorized persons, alterations, abuse, fire, flood, or acts of nature.

Additionally, this warranty may be voided in the case of:

- Failure to follow BES (and Biolux) instructions for use, care, or maintenance
- Removal, alteration, or defacing of the BES-affixed serial number and other labels
- Mechanical damage
- Use of fluids other than clean, potable water

For service or warranty questions, contact the BES service department or BES authorized dealer nearby.



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